DVI & Audio to HDMI Converter

User's Guide

Models

C-DVIA-HDMI

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Section 1: Getting Started

1.1 Important Safeguards

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
    - Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
    - Repair or attempted repair by anyone not authorized by us.
    - Any damage of the product due to shipment.
    - Removal or installation of the product.
    - Causes external to the product, such as electric power fluctuation or failure.
    - Use of supplies or parts not meeting our specifications.
    - Normal wear and tear.
    - Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

1.2 Safety Instructions

The C-DVIA-HDMI DVI & Audio to HDMI Converter has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the C-DVIA-HDMI should be used with care. Read the following safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Do not dismantle the housing or modify the module.
- Dismantling the housing or modifying the module may result in electrical shock or burn.
- Refer all servicing to qualified service personnel.
- Do not attempt to service this product yourself as opening or removing housing may expose you to dangerous voltage or other hazards
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Have the module checked by a qualified service engineer before using it again.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

1.3 Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
Any changes or modifications made to this equipment may void the user's authority to operate this equipment.

1.4 Introduction

Avenview C-DVIA-HDMI DVI & Audio to HDMI Converter provides an easy and instant approach for converting digital video (DVI-D) and both digital audio (S/PDIF) and analog stereo audio to digital HDMI. With C-DVIA-HDMI converter, DVI based devices such as PC with S/PDIF or analog stereo audio can readily connect to your HDMI TV or projector at low cost.

- HDMI 1.2 compatible
- Fully HDCP compliant
- Supports DVI video bandwidth up to 165MHz
- Coaxial S/PDIF audio input
- Stereo analog audio input
- Front panel LED indicators
- Easy installation

1.5 Package Contents

Before you start the installation of the converter, please check the package contents.

- C-DVIA-HDMI x 1
- Power Adapter (+5VDC, 2A) x1
- User's Manual x1

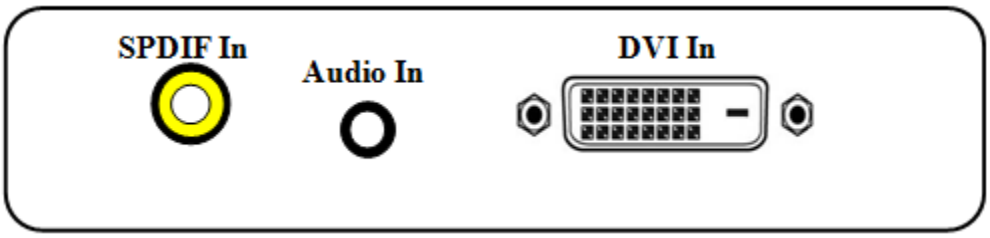
1.6 Before Installation

- Put the product in an even and stable location. If the product falls down or drops, it may cause an injury or malfunction.
- Don't place the product in too high temperature (over 50°C), too low temperature (under 0°C) or high humidity.

- Use the DC power adapter with correct specifications. If inappropriate power supply is used then it may cause a fire.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.

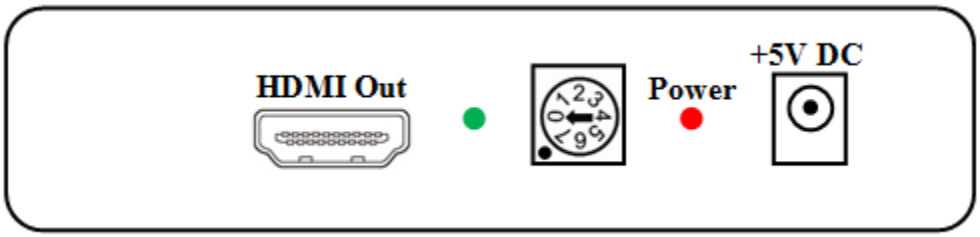
1.7 Panel Description

FRONT PANEL



SPDIF In: 2 Channel Digital S/PDIF Audio Input
Audio In: 2 Channel Analog Audio Input thru the 3.5mm Earphone Jack
DVI In: Connect to a DVI source with DVI M-M Cable

REAR PANEL



HDMI Out: Connect to a HDMI display with HDMI M-M Cable
Green Light: Status Indicator
Control: 0 = Analog, 1 = S/PDIF Audio mode, 2 – 5 = Reserved, 6 = Use Default
Power: Power indicator; Red Light = Power ON
+5V DC: Power Connector

1.8 Installation

To setup Avenview C-DVIA-HDMI follow these steps for connecting to a device:

1. Power off display source such as DVD Player, Set-top box
2. Connect your DVI source to DVI input
3. Connect S/PDIF or Stereo Audio source to RCA Jack or 3.5mm Jack respectively
4. Connect Male to Male HDMI to HDMI Output of C-DVIA-HDMI
5. Connect other end of HDMI cable to TV or projector with HDMI input
6. Plug in 5V DC power cord to power jack of C-DVIA-HDMI
7. Power on C-DVIA-HDMI
8. Power on DVI source and display with HDMI input.

Only HDMI enabled TV sets with underscan / overscan supported can display full active video accurately. If underscan / overscan is NOT supported, the top, bottom, left and right border of the active video may be screened and S/PDIF audio may not sound right.

This version does NOT support 8 Channel analog audio applications

S/PDIF audio input can support 2 out of 8 channel audio inputs. S/PDIF audio only supports 48 KHz audio sample rate.

1.9 General Troubleshooting

Problem	Possible Solution
No Image	• Check if connection to the source and the display are correct. • Ensure that display device supports 480p or 720p resolution
Screen Defects Appear	• This product supports up to 1080p (1920x1200) resolution. • Check the DVI and HDMI connection • If outputting from a PC. Check the maximum resolution range of the graphics card.

Section 2: Specifications

Item	Description
Video Bandwidth	1.65 Gbps
Output Video Signal	1.2 Volts p-p
Output DDC Signal	5V p-p (TTL)
Single Link Range	1080p (1920x1200)
HDMI Connector	19 Pin type female connector
DVI Connector	DVI-I 29 pin female (digital only)
RCA Connector	Coaxial S/PDIF (PCM 48k)
Earphone Jack	Analog Stereo Audio
Power Supply	5V DC
Power Consumption	10 Watts (max)
Dimension (L x W x H)	5” x 3.7” x 1”

Environmental

Operation	0˚ to 50˚C Degree

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